

10/528,700

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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS	3	MAR 16	CASREACT coverage extended
NEWS	4	MAR 20	MARPAT now updated daily
NEWS	5	MAR 22	LWPI reloaded
NEWS	6	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS	7	APR 02	JICST-EPLUS removed from database clusters and STN
NEWS	8	APR 30	GENBANK reloaded and enhanced with Genome Project ID field
NEWS	9	APR 30	CHEMCATS enhanced with 1.2 million new records
NEWS	10	APR 30	CA/Capplus enhanced with 1870-1889 U.S. patent records
NEWS	11	APR 30	INPADOC replaced by INPADOCDB on STN
NEWS	12	MAY 01	New CAS web site launched
NEWS	13	MAY 08	CA/Capplus Indian patent publication number format defined
NEWS	14	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS	15	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS	16	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS	17	MAY 21	CA/Capplus enhanced with additional kind codes for German patents
NEWS	18	MAY 22	CA/Capplus enhanced with IPC reclassification in Japanese patents
NEWS	19	JUN 27	CA/Capplus enhanced with pre-1967 CAS Registry Numbers
NEWS	20	JUN 29	STN Viewer now available
NEWS	21	JUN 29	STN Express, Version 8.2, now available
NEWS EXPRESS	29	JUNE 2007:	CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 4 MAY 2007.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:48:08 ON 29 JUN 2007

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 18:48:19 ON 29 JUN 2007

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STRUCTURE FILE UPDATES: 28 JUN 2007 HIGHEST RN 940062-32-8

DICTIONARY FILE UPDATES: 28 JUN 2007 HIGHEST RN 940062-32-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

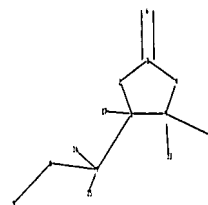
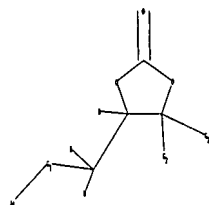
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10528700.str

10/528,700



chain nodes :
6 7 8 9 12 13 15 16 17
ring nodes :
1 2 3 4 5
chain bonds :
1-7 1-17 3-6 5-12 5-13 7-8 7-15 7-16 8-9
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
3-6 5-12 5-13 7-8 8-9
exact bonds :
1-2 1-5 1-7 1-17 2-3 3-4 4-5 7-15 7-16
isolated ring systems :
containing 1 :

10/528,700

G1:O,S,N

G2:H,Ak

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
12:CLASS 13:CLASS 15:CLASS 16:CLASS 17:CLASS

L1 STRUCTURE UPLOADED

=> s l1

SAMPLE SEARCH INITIATED 18:48:36 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 204 TO ITERATE

100.0% PROCESSED 204 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 3224 TO 4936
PROJECTED ANSWERS: 624 TO 1496

L2 50 SEA SSS SAM L1

=> s l1 ful

FULL SEARCH INITIATED 18:48:44 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 4153 TO ITERATE

100.0% PROCESSED 4153 ITERATIONS 1101 ANSWERS
SEARCH TIME: 00.00.01

L3 1101 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	172.10	172.31

FILE 'CAPLUS' ENTERED AT 18:48:55 ON 29 JUN 2007
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FILE COVERS 1907 - 29 Jun 2007 VOL 147 ISS 2
FILE LAST UPDATED: 28 Jun 2007 (20070628/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 13

L4 661 L3

=> s 14 and py<2002

21897432 PY<2002

L5 487 L4 AND PY<2002

=>

Connection closed by remote host

10/528,700

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal201txs

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS	3	MAR 16	CASREACT coverage extended
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NEWS	7	APR 02	JICST-EPLUS removed from database clusters and STN
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NEWS	9	APR 30	CHEMCATS enhanced with 1.2 million new records
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NEWS	17	MAY 21	CA/Capplus enhanced with additional kind codes for German patents
NEWS	18	MAY 22	CA/Capplus enhanced with IPC reclassification in Japanese patents
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NEWS	20	JUN 29	STN Viewer now available
NEWS	21	JUN 29	STN Express, Version 8.2, now available
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 19:58:23 ON 29 JUN 2007

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 19:58:35 ON 29 JUN 2007

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STRUCTURE FILE UPDATES: 28 JUN 2007 HIGHEST RN 940062-32-8

DICTIONARY FILE UPDATES: 28 JUN 2007 HIGHEST RN 940062-32-8

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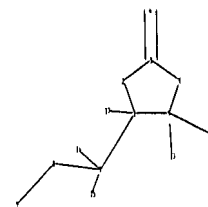
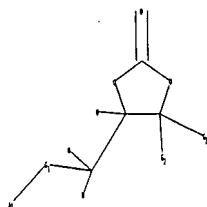
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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

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chain nodes :
6 7 8 9 12 13 15 16 17
ring nodes :
1 2 3 4 5
chain bonds :
1-7 1-17 3-6 5-12 5-13 7-8 7-15 7-16 8-9
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
3-6 5-12 5-13 7-8 8-9
exact bonds :
1-2 1-5 1-7 1-17 2-3 3-4 4-5 7-15 7-16
isolated ring systems :
containing 1 :

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G1:O,S,N

G2:H,Ak

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
12:CLASS 13:CLASS 15:CLASS 16:CLASS 17:CLASS

L1 STRUCTURE UPLOADED

=> s 11 ful

FULL SEARCH INITIATED 19:58:56 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 4153 TO ITERATE

100.0% PROCESSED 4153 ITERATIONS

1101 ANSWERS

SEARCH TIME: 00.00.01

L2 1101 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.10

172.31

FILE 'CAPLUS' ENTERED AT 19:59:06 ON 29 JUN 2007

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FILE COVERS 1907 - 29 Jun 2007 VOL 147 ISS 2

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=> s 12 and py<2002

661 L2

21897432 PY<2002

L3 487 L2 AND PY<2002

=> s 13 and surfactant

192448 SURFACTANT

172493 SURFACTANTS

244891 SURFACTANT

(SURFACTANT OR SURFACTANTS)

L4 5 L3 AND SURFACTANT

=> d 14 ibib hitstr abs 1-5

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:785905 CAPLUS

DOCUMENT NUMBER: 135:332758

TITLE: Alkali- and biodegradable surfactants and emulsifiers

INVENTOR(S): Horibe, Mineko; Suzuki, Kaoru; Ogura, Eiji; Yamamoto,

Nobuyuki

PATENT ASSIGNEE(S): Lion Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2001300286	A	20011030	JP 2000-118929	20000420

<--

PRIORITY APPLN. INFO.:	JP 2000-118929	20000420
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OTHER SOURCE(S): MARPAT 135:332758

IT 85976-40-5P, 4-Butyloxymethyl-1,3-dioxolane-2-one

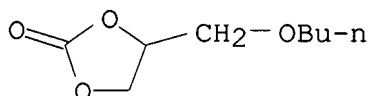
175540-36-0P, 4-Octyloxymethyl-1,3-dioxolane-2-one

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(alkali- and biodegradable dioxolanone derivs. for surfactants and emulsifiers for emulsion polymerization and cosmetics)

RN 85976-40-5 CAPLUS

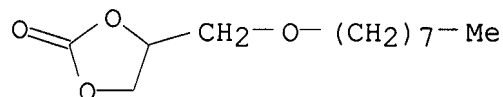
CN 1,3-Dioxolan-2-one, 4-(butoxymethyl)- (CA INDEX NAME)



10/528,700

RN 175540-36-0 CAPLUS

CN 1,3-Dioxolan-2-one, 4-[(octyloxy)methyl]- (9CI) (CA INDEX NAME)

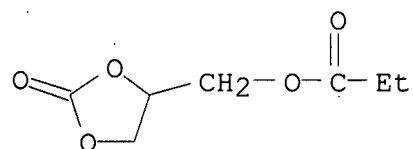


IT 125399-83-9 136322-51-5, 4-Decyloxymethyl-1,3-dioxolane-
2-one 199869-06-2 307949-17-3 370094-15-8
370094-16-9 370094-17-0 370094-18-1

RL: MOA (Modifier or additive use); USES (Uses)
(alkali- and biodegradable dioxolanone derivs. for surfactants
and emulsifiers for emulsion polymerization and cosmetics)

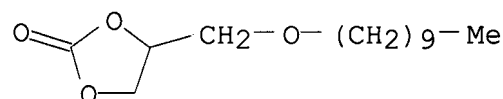
RN 125399-83-9 CAPLUS

CN 1,3-Dioxolan-2-one, 4-[(1-oxopropoxy)methyl]- (CA INDEX NAME)



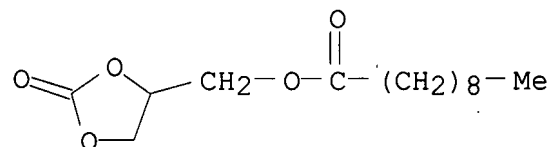
RN 136322-51-5 CAPLUS

CN 1,3-Dioxolan-2-one, 4-[(decyloxy)methyl]- (9CI) (CA INDEX NAME)



RN 199869-06-2 CAPLUS

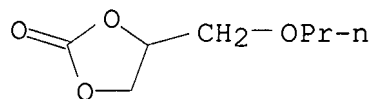
CN Decanoic acid, (2-oxo-1,3-dioxolan-4-yl)methyl ester (9CI) (CA INDEX NAME)



RN 307949-17-3 CAPLUS

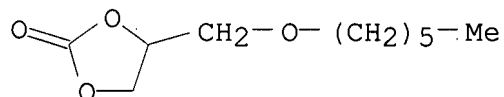
CN 1,3-Dioxolan-2-one, 4-(propoxymethyl)- (9CI) (CA INDEX NAME)

10/528,700



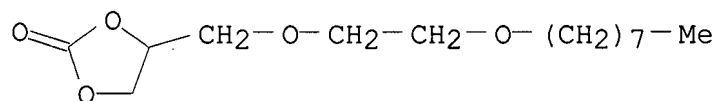
RN 370094-15-8 CAPLUS

CN 1,3-Dioxolan-2-one, 4-[(hexyloxy)methyl]- (9CI) (CA INDEX NAME)



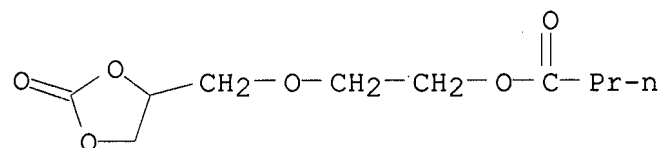
RN 370094-16-9 CAPLUS

CN 1,3-Dioxolan-2-one, 4-[[2-(octyloxy)ethoxy]methyl]- (9CI) (CA INDEX NAME)



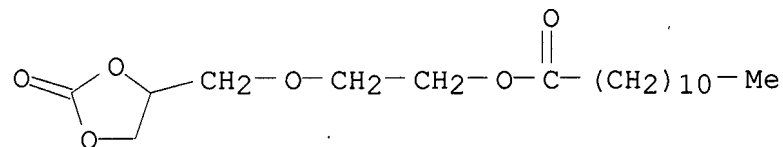
RN 370094-17-0 CAPLUS

CN Butanoic acid, 2-[(2-oxo-1,3-dioxolan-4-yl)methoxy]ethyl ester (9CI)
(CA INDEX NAME)



RN 370094-18-1 CAPLUS

CN Dodecanoic acid, 2-[(2-oxo-1,3-dioxolan-4-yl)methoxy]ethyl ester (9CI)
(CA INDEX NAME)

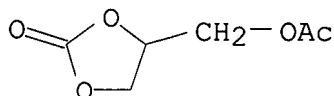


AB Derivs. of 1,3-dioxolane-2-one are prepared and used as emulsifiers in polymerization and cosmetics. Thus, glycerin 1-octyl ether 184, di-Me carbonate

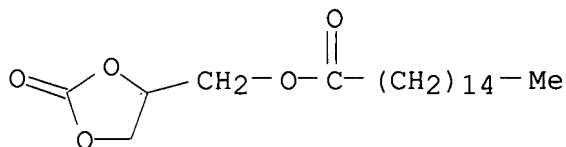
10/528,700

(I) 234, and NaOH 2.5 g were heated at 70°-120° with distillation of I and methanol to prepare 95% 4-octyloxymethyl-1,3-dioxolane-2-one.

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:317626 CAPLUS
DOCUMENT NUMBER: 135:94230
TITLE: Study of the acyl transfer reaction: structure and properties of glycerol carbonate esters
AUTHOR(S): Mouloungui, Zephirin; Pelet, Sandrine
CORPORATE SOURCE: ENSIACET - Site Rengueil. Lab. Chim. Agro-Ind.\, INRA/INP-ENSIACET, Toulouse, 31077, Fr.
SOURCE: European Journal of Lipid Science and Technology (2001), 103(4), 216-222
CODEN: EJLTFM; ISSN: 1438-7697
PUBLISHER: Wiley-VCH Verlag GmbH
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 1607-31-4P 71572-28-6P 71572-29-7P
71628-84-7P 148843-55-4P 348113-24-6P
348113-25-7P
RL: IMF (Industrial manufacture); PRP (Properties); PREP (Preparation)
(preparation of glycerol carbonate esters via acyl transfer and thermal and oxidative stability and surface tension of ester surfactants)
RN 1607-31-4 CAPLUS
CN 1,3-Dioxolan-2-one, 4-[(acetyloxy)methyl]- (CA INDEX NAME)

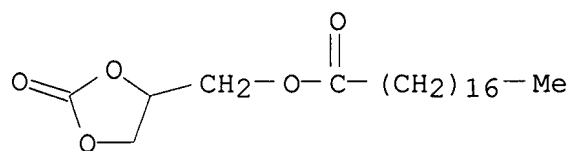


RN 71572-28-6 CAPLUS
CN Hexadecanoic acid, (2-oxo-1,3-dioxolan-4-yl)methyl ester (9CI) (CA INDEX NAME)



RN 71572-29-7 CAPLUS
CN Octadecanoic acid, (2-oxo-1,3-dioxolan-4-yl)methyl ester (9CI) (CA INDEX NAME)

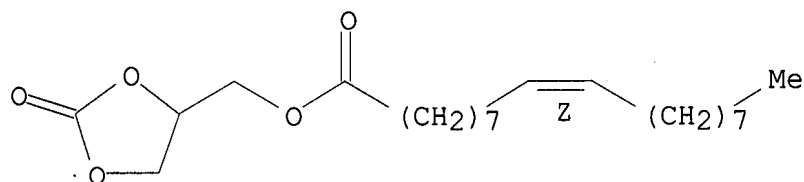
10/528,700



RN 71628-84-7 CAPLUS

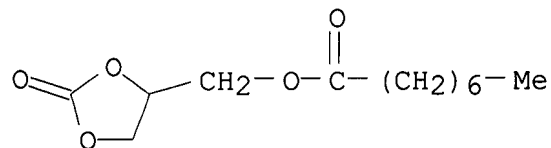
CN 9-Octadecenoic acid (9Z)-, (2-oxo-1,3-dioxolan-4-yl)methyl ester (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



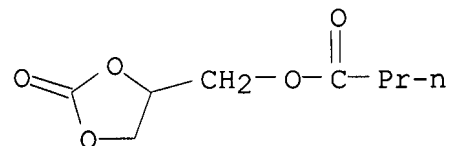
RN 148843-55-4 CAPLUS

CN Octanoic acid, (2-oxo-1,3-dioxolan-4-yl)methyl ester (9CI) (CA INDEX NAME)



RN 348113-24-6 CAPLUS

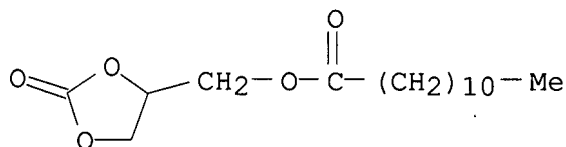
CN Butanoic acid, (2-oxo-1,3-dioxolan-4-yl)methyl ester (CA INDEX NAME)



RN 348113-25-7 CAPLUS

CN Dodecanoic acid, (2-oxo-1,3-dioxolan-4-yl)methyl ester (9CI) (CA INDEX NAME)

10/528,700



AB A series of glycerol carbonate esters derived from glycerol carbonate was

synthesized by acylation of glycerol carbonate in the presence of aliphatic acyl chlorides. The compds. are polyoxygenates with an endocyclic diester

function and an exocyclic ester function. The compds. have good thermal

and oxidation stability and exhibit surfactant properties towards water/soybean oil interface.

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS

FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:290832 CAPLUS

DOCUMENT NUMBER: 134:311397

TITLE: Preparation of glyceryl ethers from glycidyl ethers

INVENTOR(S): Okutsu, Munenao; Kitsuki, Tomohito

PATENT ASSIGNEE(S): Kao Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001114719	A	20010424	JP 1999-296816	19991019

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PRIORITY APPLN. INFO.: JP 1999-296816 19991019

OTHER SOURCE(S): CASREACT 134:311397; MARPAT 134:311397

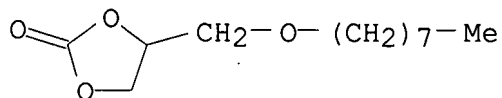
IT 175540-36-0P 334791-12-7P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of glyceryl ethers from glycidyl ethers)

RN 175540-36-0 CAPLUS

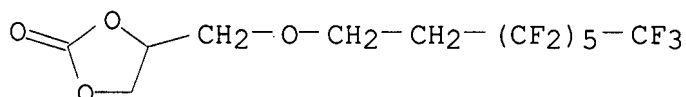
CN 1,3-Dioxolan-2-one, 4-[(octyloxy)methyl]- (9CI) (CA INDEX NAME)

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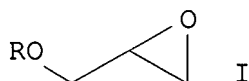


RN 334791-12-7 CAPLUS

CN 1,3-Dioxolan-2-one, 4-[[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)oxy]methyl]- (9CI) (CA INDEX NAME)



GI



AB ROCH₂CH(OH)CH₂OH [R = C₄-20 linear or branched (partially or totally fluorinated) alkyl (or its adduct with alkylene oxide)] are prepared by treatment of glycidyl ethers I (R = same as above) with CO₂ and hydrolysis of the resulting glyceryl ether carbonates. Thus, 200 g octyl glycidyl ether was autoclaved with Alcamac L (hydrotalcite) at 50° and 5 MPa CO₂ for 12 h to give 220 g octyl glyceryl ether carbonate, which was hydrolyzed with NaOH in H₂O to afford 85% octyl glyceryl ether.

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1991:561317 CAPLUS

DOCUMENT NUMBER: 115:161317

TITLE: Surfactant for emulsion coating materials

INVENTOR(S): Tashiro, Namiyuki; Yoshino, Fumio; Hosoda, Atsushi

PATENT ASSIGNEE(S): Dainippon Ink and Chemicals, Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 03065232	A	19910320	JP 1989-202025	19890803
<--				
PRIORITY APPLN. INFO.:			JP 1989-202025	19890803

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IT 136275-67-7P 136297-52-4P 136322-50-4P

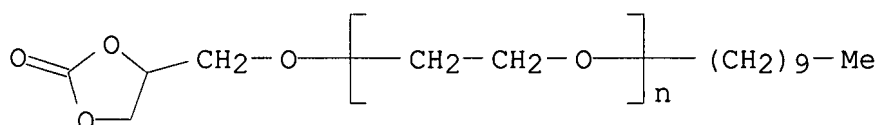
136322-51-5P 136322-52-6P

RL: PREP (Preparation)

(manufacture of, as emulsifier for polymerization)

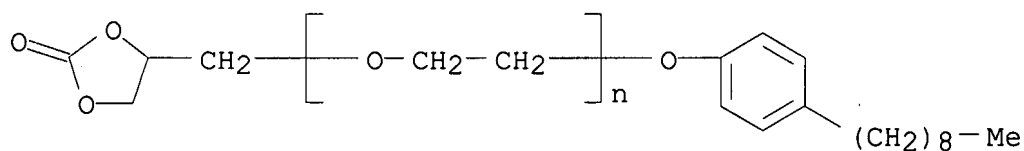
RN 136275-67-7 CAPLUS

CN Poly(oxy-1,2-ethanediyl), α -decyl- ω -[(2-oxo-1,3-dioxolan-4-yl)methoxy]- (9CI) (CA INDEX NAME)



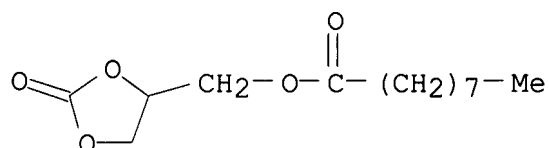
RN 136297-52-4 CAPLUS

CN Poly(oxy-1,2-ethanediyl), α -[(2-oxo-1,3-dioxolan-4-yl)methyl]- ω -(4-nonylphenoxy)- (9CI) (CA INDEX NAME)



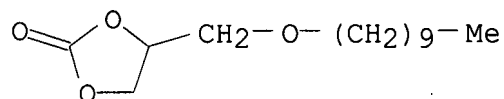
RN 136322-50-4 CAPLUS

CN Nonanoic acid, (2-oxo-1,3-dioxolan-4-yl)methyl ester (9CI) (CA INDEX NAME)



RN 136322-51-5 CAPLUS

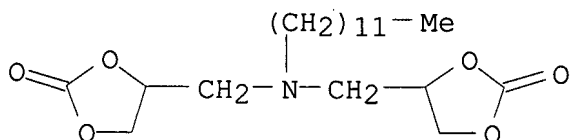
CN 1,3-Dioxolan-2-one, 4-[(decyloxy)methyl]- (9CI) (CA INDEX NAME)



RN 136322-52-6 CAPLUS

CN 1,3-Dioxolan-2-one, 4,4'-[(dodecylimino)bis(methylene)]bis- (9CI) (CA INDEX NAME)

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AB Surfactants containing hydrophilic cyclic carbonate groups are prepared as emulsifiers for polymerization. Thus, reaction of octanoic acid with epichlorohydrin and NaHCO_3 gave (2-oxo-1,3-dioxolan-4-yl)methyl octanoate, which was used in the emulsion polymerization of styrene, Bu acrylate, and methacrylic acid.

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1986:207278 CAPLUS

DOCUMENT NUMBER: 104:207278

TITLE: [(Diallylamino)methyl]dioxolane analogs

INVENTOR(S): Kawabata, Osamu; Tanimoto, Fumio; Inoe, Yoshiharu

PATENT ASSIGNEE(S): Neos Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 60228472	A	19851113	JP 1984-87395	19840427
<--				
JP 04058476	B	19920917		
PRIORITY APPLN. INFO.:			JP 1984-87395	19840427

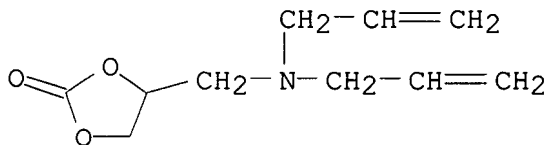
OTHER SOURCE(S): CASREACT 104:207278

IT 102088-43-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

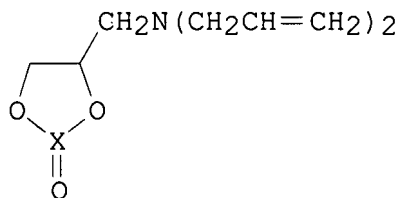
RN 102088-43-7 CAPLUS

CN 1,3-Dioxolan-2-one, 4-[(di-2-propenylamino)methyl]- (9CI) (CA INDEX NAME)



10/528,700

GI



AB Title compds. I (X = C, S), useful in manufacturing amphoteric surfactants and polymer coagulants, were prepared either by cyclocondensation of 3-(N,N-diallylamino)-1,2-propanediol [II, prepared from glycidol (III) and diallylamine (IV)] with di-Et carbonate (V) or dehydrochlorination of II with SOCl₂. Thus, heating 97.16 g IV with 74.08 g III in the presence of Triton B gave 154 g II, which was refluxed with 160 g V in the presence of K₂CO₃ to give 159.6 g I (X = C).

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
31.31	203.62

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-3.90	-3.90

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STN INTERNATIONAL LOGOFF AT 20:00:07 ON 29 JUN 2007